

Jackson Demonstration State Forest  
**Northfork Spur THP Timber Sale**

SUMMARY OF SALE INFORMATION

Bid Date:	May 5, 2009		Estimated Volume:	4,501 MBf
Price/species:	Redwood	TBD	THP Number:	1-08-074MEN
Rate per MBf:	Douglas-fir	\$10.00	Phone:	(707) 964-5674
	Whitewoods	\$5.00	Information:	Jason Serna

**Table 1.** Estimated Total Volume to be Harvested (Bf)

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	1,822,400	1,585,490	13%	35%
Douglas-fir	3,314,400	2,883,530	13%	64%
Whitewoods	36,000	32,040	11%	1%
Totals	5,172,800	4,501,060	13%	100%

**Table 2b.** Estimated Volume, Cable (Bf) (318 acres)

Species	Gross	Net
Redwood	1,462,800	1,272,640
Douglas-fir	2,893,800	2,517,610
Whitewoods	31,800	28,300
Totals	4,388,400	3,818,550

**Table 2c.** Estimated Volume, Tractor (Bf) (34 acres) & Road Right-of-Way (Bf)

Species	Gross	Net
Redwood	359,600	312,850
Douglas-fir	420,600	365,920
Whitewoods	4,200	3,740
Totals	784,400	682,510

**Table 3.** Estimated Acreage

	Plan acres	No mark WLPZs and NSO	Net acres
Cable	418	100	318
Tractor and Road Right-of-Way	34	0	34
Totals	452	100	352

**Table 4.** Mean Diameter by Species

Species	DBH in inches
Redwood	18
Douglas-fir	22
Whitewoods	32

## **GENERAL INFORMATION:**

Winter operations are not allowed. Timber falling, planting, pile burning and emergency road maintenance only are permitted during the winter period November 15 to April 1. No falling will be done in the WLPZ during this period.

## **MARKING:**

Road right-of-way: Proposed logging roads are centerline flagged with solid orange Site-Mark® "TRUCK ROAD" in black lettering. The clearing limits will be designated prior to the start of operations with two vertical orange stripes that are painted on trees to be retained and are facing the centerline. All trees between the clearing limits are proposed for harvest. If necessary to provide adequate clearance for road construction, additional trees may be harvested upon approval of the responsible RPF.

Selection and WLPZ: Harvest trees will be marked with a blue paint stripe at approximately breast height elevation above ground level on at least two sides, plus a paint base mark near ground level.

## **TIMBER HARVESTING PLAN:**

Item 14f: Selected hardwoods adjacent to thinned redwood clumps were marked for felling. Madrone and chinquapin are not proposed for harvest except as necessary to facilitate road construction, yarding operations and for safety.

Item 14g: **CABLE CORRIDORS:** Outside of the WLPZ, to the extent possible cable yarding corridors shall be limited to 10 feet in total width, with the understanding that some corridors may be wider as a result of silviculture prescription or where pre-approved by the Sale Officer to facilitate harvesting trees that have been substantially damaged by timber operations. Cable corridors shall be pre-planned and pre-located by the LTO.

**CABLE CLEARANCE TREES:** Any tree (within the THP area only) may be harvested/felled if necessary for cable clearance, except for trees located within a WLPZ. Trees located within a WLPZ shall not be felled for cable corridors unless they directly impact the safety of cable-yarding operations.

**DOWNED TREES:** There shall be no cutting or removal of existing unmarked down trees or logs. These logs may be moved if necessary for clearing truck road rights-of-way and as otherwise necessary to harvest the designated timber. If windthrow of merchantable trees occurs in the logging area prior to completion of operations, windthrown trees outside of the WLPZ may be harvested upon approval of the plan submitter.

**TREES SUBSTANTIALLY DAMAGED BY LOGGING OPERATIONS:** Damaged trees may not be felled if within a WLPZ, if marked for retention, or if the damaged tree has a cavity used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled as approved and directed by the Plan Submitter.

- Item 18: Wet weather road use plan (applies year round).
- Item 20: Tractors may be used on slopes up to 40 percent to construct fire lines around concentrations of slash at cable landings provided there are no other limitations on tractor use (see TSA item 10h below, tractors limited to < 20% slopes).
- Item 26: The Class I watercourse will have 150 foot no-cut WLPZ (except for harvest of cable corridor trees where needed). Class II watercourses will have 50 foot no-cut WLPZ inner band (except for harvest of cable corridor trees where needed). Except for the necessary removal of trees for safe cable yarding operations, no trees shall be harvested from within the bed and bank zone of the watercourse. There is a water drafting plan and JDSF has applied for a 1603 permit for the drafting sites.
- Item 32: There is one known Northern Spotted Owl (NSO) activity center located within the plan area (Owl MEN0582). There will no harvesting within 1,000 feet of an NSO activity site and no timber operations will occur within 500 feet of an NSO activity center.

Copies of Sections I and II of the THP are available by request from the State Forest headquarters. A copy of the THP can also be accessed via the internet at [ftp://thp.fire.ca.gov/THPLibrary/North\\_Coast\\_Region/THPs2008/1-08-074MEN](ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs2008/1-08-074MEN)

## TIMBER SALE AGREEMENT (TSA)

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2	2	A deposit of \$30,000 must be submitted with the bid.
3	3	Five hundred thousand board feet of timber to be felled and paid for by June 30, 2009, remainder shall be paid for and felled and all other timber operations completed by October 15, 2010.
4	4	All trees marked for cutting, whether merchantable or not, shall be felled.  Production and cost data with respect to all timber harvesting operations and other forestry activities conducted pursuant to this agreement, including road rocking, crossing installation/removal, slash abatement and installing water breaks and rolling dips.
9	7p	Weekly reports of falling scale by unit are required.
11	9	No operations on weekends or holidays from Memorial Day through Labor Day.
13	10b	No timber operations after March 1 of any year until a northern spotted owl NO TAKE Certification is amended into the THP.
13	10e	Erosion control requirements apply year-round. At all times of the year, erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of the day if the U.S. Weather Service forecast is a "chance" (30 percent probability or more) or rain before the next working day, or at any time that the equipment needed to install such structures leaves the sale area.
14	10g	All slash created by timber operations within 100 feet of Road 330 and on Roads 346 and 347 (for 1000 feet from the junction with Road 330) shall be lopped to the extent that no portion shall remain over 30 inches above the ground.
14	10h	The PURCHASER is responsible for building a 10-foot wide fire line around all slash piles that are on slopes greater than 20%. Where slash is piled for burning, the PURCHASER shall provide a sufficient quantity of 80 lb water resistant kraft paper and shall cover a minimum 10-foot by 20-foot section near the center of each pile, weighting the paper adequately to hold it in place during windy weather.
15	10j	Estimated yarding distances are given.

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19	14a(6)	Seasonal roads will be outsloped (2-5%) without a berm or ditch. Rolling dips will be constructed on road grades of 10% or less prior to hauling. Where grade of permanent or seasonal roads is more than 7%, waterbreaks or other suitable forms of water dispersal, shall be installed by bulldozer at completion of use of the road for log hauling, but prior to final road grading. The Sale Officer will specify the location for the drainage structure prior to final road grading.
23	14f(1)	Water drafting for dust abatement shall be done according to the guidelines specified in the THP Page 41, and a DFG 1611 permit.
24	14g	There are approximately 3.0 miles of seasonal road to construct.
24	14h	At road segments 100-200 and 1300-1900 the PURCHASER shall build new road using full bench construction (Exhibit A).
24	14i	The PURCHASER shall construct two standard gates on proposed Roads 346 and 347 (Exhibit A).
24	14j	The PURCHASER shall block all spur roads without gates to vehicular traffic and slash will be tractor packed on these roads to further limit access.
24	14l	The PURCHASER shall comply with and shall pay any fees owing for a Department of Fish and Game Stream Alteration Permit obtained by the STATE.
25	14m	The PURCHASER shall provide 345 cubic yards of 2½" minus coarse crushed rock for road stabilization at locations specified by the Timber Sale Officer.
25	14n	The PURCHASER shall provide and apply not more than two applications of calcium lignosulfonate (lignin), or an equivalent dust treatment substance.
28	26	Performance security of \$65,000 required prior to contract approval.

## NORTHFORK SPUR 2009 FLAGGING CODE

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting area	Solid pink-glo and/or pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I watercourse	Solid blue
Class I WLPZ	Blue/white Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering AND solid blue
Class II watercourse	Blue/white stripe
Class II WLPZ	Blue/white Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering
Class III watercourse	Blue/white polka-dot
Tractor/cable boundary	Orange/black stripe
Tractor road (skid trail)	Solid yellow Site-Mark® "SKID TRAIL" in black lettering
Road grade centerline	Solid orange and/or solid orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	Three flags of solid orange and/or solid orange Site-Mark® "TRUCK ROAD" in black lettering
Message flag	Pink/black stripe
Survey stations, Cruise stations	Red/white polka-dot
Faller Strip	Solid white
Cable road	Solid red
Equipment Limitation Zone (ELZ)	Solid red and solid white